

# WINDOWS REPLACEMENT

## BID DOCUMENTS CITY-COUNTY BUILDING 210 MARTIN LUTHER KING JR BLVD MADISON, WI 53703

**Owner:**  
DANE COUNTY PUBLIC WORKS  
1919 ALLIANT ENERGY CENTER WAY  
MADISON WI 53713



ARCHITECTURAL ENGINEERING  
10501 West Research Drive, Suite 207  
Milwaukee, Wisconsin 53226  
Phone: (414) 727-5000  
Fax: (414) 727-6666  
www.zsllc-us.com

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1919 ALLIANT ENERGY CENTER WAY  
MADISON WI 53713

**ARCHITECT/ENGINEER:**

ZS LLC  
10501 WEST RESEARCH DRIVE, SUITE 207  
MILWAUKEE, WI 53226



WINDOWS REPLACEMENT  
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210 MARTIN LUTHER KING JR  
BLVD  
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**GENERAL NOTES**

- Do not scale drawings.
- The Contractor shall verify all existing conditions and dimensions at the job site prior to starting the work, and shall immediately notify the Architect/Engineer of any discrepancies, omissions, or other conditions that may affect the scope of work prior to beginning repairs impacted by the noted conditions.
- Repair areas are shown graphically for location purposes only and do not necessarily indicate actual repair boundaries or final quantities.
- Unanticipated conditions encountered during the course of the work that require additional repairs shall be brought to the attention of the Architect/Engineer. No additional repair work shall be performed unless approved in advance by the Architect/Engineer.
- Contractor is solely responsible for all job safety during the repair work.
- Contractor shall provide all shoring, bracing, and sheeting required for safety and proper execution of the work.
- The Contractor shall be solely responsible for all means and methods. Procedures shall be in accordance with applicable codes and standards. The Contractor shall make any inspections or analysis necessary to verify that existing building elements have adequate load capacity to support any required rigging, shoring, or storage forces he/she chooses to impose on them.
- Contractor shall provide protective barriers, fences, sidewalk bridging, etc. to ensure the safety of pedestrians, building occupants, vehicular traffic, site features, etc. in accordance with the requirements of local and federal authorities, including OSHA. Protective canopy is to be provided at all entrances, exits, sidewalks, and drives below areas of overhead work. Bridging/canopy must be installed at and near all entrances, walkways and other areas where falling objects could injure pedestrians.
- All mechanical, electrical, and plumbing work required to complete the work of this project shall be performed in accordance with all applicable local and national codes.
- Contractor shall provide protection of exterior wall and interior of building at all times against entry of water, dust, and vermin during the work. Contractor shall repair all damage caused by such infiltration during the Work at no cost to the Owner.
- If during the interior removals, apparent organic growth/mold or any other suspected health hazard is uncovered, Contractor is to notify the Owner's Representative immediately for resolution.
- These drawings and specifications apply to the "CITY-COUNTY BUILDING WINDOWS REPLACEMENT" project only and shall not be used for any other purpose without the expressed written consent of ZS LLC.
- In the event of conflict between the drawings and the specifications, the more stringent requirement and better quality shall govern unless written notification is provided by the Architect/Engineer.
- These notes shall apply to all contractors, subcontractors, and suppliers engaged in execution of the work shown on these plans.

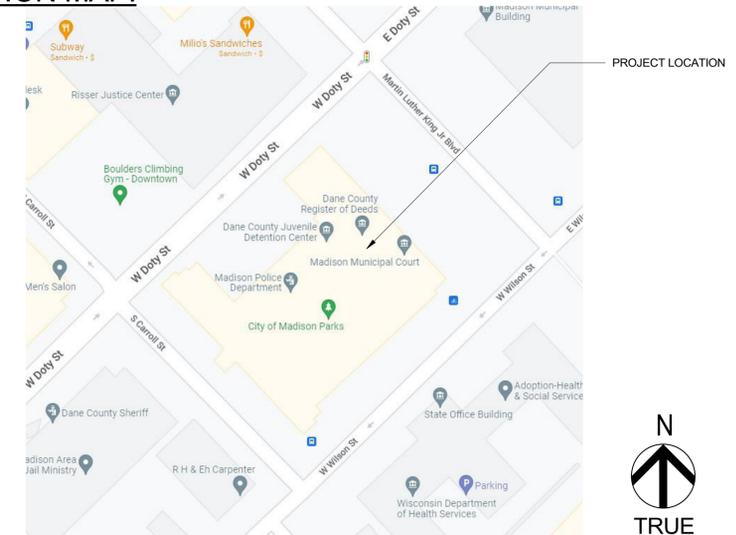
**AERIAL PHOTO**



**INDEX OF DRAWINGS:**

Sheet List	
Sheet Number	Sheet Name
W900	TITLE SHEET
W901	EAST ELEVATION
W902	NORTH ELEVATION
W903	SOUTH ELEVATION
W904	WEST ELEVATION
W905	ORIGINAL WINDOW TYPES
W906	ORIGINAL DETAILS
W907	NEW WINDOW TYPES
W908	WINDOW SYSTEM DETAILS
W909	WINDOW SYSTEM DETAILS
W910	WINDOW SYSTEM DETAILS
W911	WINDOW SYSTEM DETAILS

**LOCATION MAP:**



No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022
2	ADDENDUM 4	1/27/2023

BID DOCUMENTS

TITLE SHEET

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

W900

**NOTE IN REGARD TO EXISTING CONDITIONS**

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NOTE:  
SEE SHEETS W905 AND W906 FOR EXISTING WINDOW TYPES

**1 EAST ELEVATION - (Martin Luther King Jr, Blvd.)**  
W901 3/32" = 1'-0"

**EAST ELEVATION QUANTITIES**

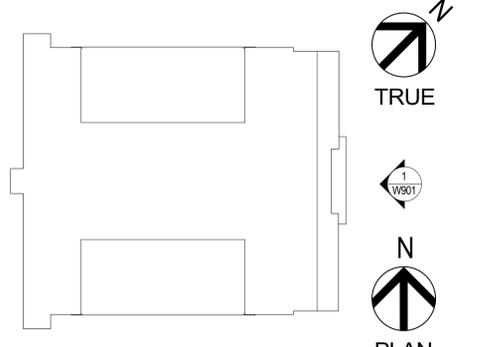
	BASE BID	ALT. 1	ALT. 2	ALT. 3	ALT. 4	ALT. 5	ALT. 6	ALT. 7
TYPE A	66	--	--	--	--	--	--	--
TYPE B	--	--	--	--	--	--	--	--
TYPE F	14	--	--	--	--	--	--	--
TYPE H	--	--	--	--	--	--	--	--
TYPE M	--	--	--	--	--	--	--	--
TYPE N	--	--	6	--	--	--	--	--
TYPE O	--	--	2	--	--	--	--	--
TYPE S	--	--	--	--	--	--	--	--

**WINDOW GENERAL NOTES**

- REPAIR INTERIOR AND EXTERIOR WINDOW OPENINGS, JAMBS, HEADS, TRIM, SILLS IF DAMAGED DURING WINDOW REMOVAL.
- TOUCH UP INTERIOR AND EXTERIOR PAINT TO MATCH ADJACENT EXISTING PAINT COLOR AND SHEEN IF DAMAGED DURING WINDOW REMOVAL OR INSTALLATION.
- THE REMOVAL OF INTERIOR WOOD TRIM ELEMENTS SHALL BE LIMITED TO THOSE NECESSARY FOR THE REMOVAL OF DESIGNATED EXISTING COMPONENTS AND THE INSTALLATION OF THE NEW WINDOW AT EACH LOCATION.
- AT LOCATIONS WHERE AN INTERIOR WALL HAS BEEN CONSTRUCTED THAT INTERFACES AN ORIGINAL INTERIOR MULLION TRIM, THE INTERIOR MULLION TRIM AND WALL CONSTRUCTION SHALL NOT BE DISTURBED. IF THE INTERIOR MULLION TRIM AND WALL CONSTRUCTION ARE DISTURBED, RESTORE TO ORIGINAL CONDITION.
- AT LOCATIONS WHERE THERE IS A FIXTURE, THE INTERIOR FIXTURE SHALL NOT BE DISTURBED. IF THE INTERIOR FIXTURE IS DISTURBED IN ANY WAY, RESTORE TO ORIGINAL CONDITION.
- CONTRACTOR TO SCRAPE, CLEAN, AND PAINT ALL EXPOSED METAL ELEMENTS.
- ACM WINDOW CAULKING GLAZING ARE HOT.
- ONE (1) INCH PLYWOOD UNDER ALL SCAFFOLDING TO PROTECT ROOFS, ASPHALT, AND GRASS AREAS.
- TREATED LUMBER FOR ALL BLOCKING.

**WINDOW KEYNOTES**

- REMOVE EXISTING ALUMINUM WINDOW SASHES, SASH STOPS, AND FRAME MATERIALS TO THE EXTENT DEPICTED IN THE CONTRACT DOCUMENTS. PATCH AND REPAIR ALL INTERIOR AND EXTERIOR SURFACES TO MATCH EXISTING. INSTALL NEW FIXED ALUMINUM WINDOW AS INDICATED IN THE CONTRACT DOCUMENTS. PROVIDE IMPACT RESISTANCE PER SPECIFICATIONS. PROVIDE TEMPORARY WEATHER ENCLOSURES AT WINDOW OPENINGS. INSTALL NEW BACKER ROD AND SEALANT AT WINDOW PERIMETERS.
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- PROVIDE FULL SCALE MOCKUP WINDOW AT LOCATION IDENTIFIED.
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- LOCATION INCLUDED IN ALTERNATE 6
- LOCATION INCLUDED IN ALTERNATE 7



**KEY PLAN**

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2	ADDENDUM 4	1/27/2023

**BID DOCUMENTS**

**EAST ELEVATION**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

**W901**

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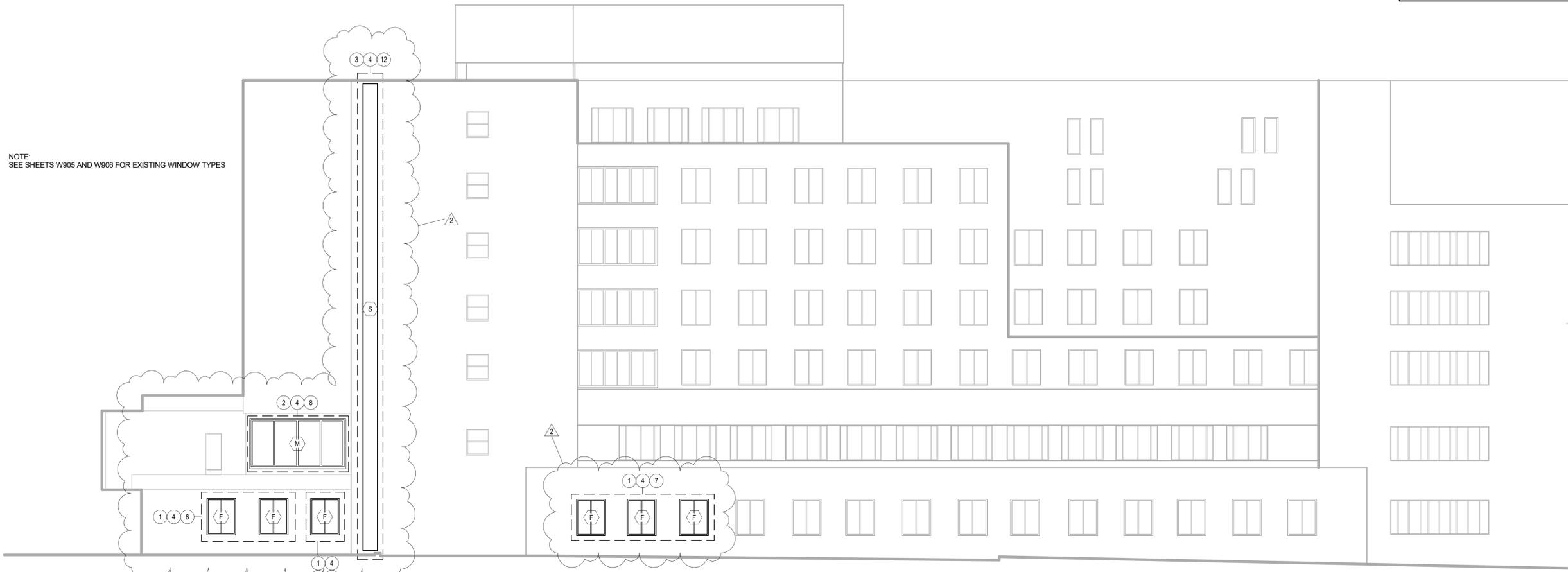
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NOTE:  
SEE SHEETS W905 AND W906 FOR EXISTING WINDOW TYPES



**1** NORTH ELEVATION - (West Doty St.)  
W902 3/32" = 1'-0"

**WINDOW GENERAL NOTES**

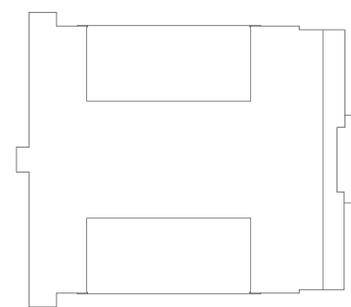
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7. ACM WINDOW CAULKING GLAZING ARE HOT.
8. ONE (1) INCH PLYWOOD UNDER ALL SCAFFOLDING ON ROOFS AND TO PROTECT ASPHALT AND GRASS AREAS.
9. TREATED LUMBER FOR ALL BLOCKING.

**WINDOW KEYNOTES**

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- 10 LOCATION INCLUDED IN ALTERNATE 4
- 11 ALTERNATE 5 NOT INCLUDED IN PROJECT SCOPE
- 12 LOCATION INCLUDED IN ALTERNATE 6
- 13 LOCATION INCLUDED IN ALTERNATE 7

**NORTH ELEVATION QUANTITIES**

	BASE BID	ALT. 1	ALT. 2	ALT. 3	ALT. 4	ALT. 5	ALT. 6	ALT. 7
TYPE A	--	--	--	--	--	--	--	--
TYPE B	--	--	--	--	--	--	--	--
TYPE F	3	3	--	--	--	--	--	--
TYPE H	--	--	--	--	--	--	--	--
TYPE M	--	--	1	--	--	--	--	--
TYPE N	--	--	--	--	--	--	--	--
TYPE O	--	--	--	--	--	--	--	--
TYPE S	--	--	--	--	--	1	--	--



KEY PLAN



No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022
2	ADDENDUM 4	1/27/2023

**BID DOCUMENTS**

**NORTH ELEVATION**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

**W902**



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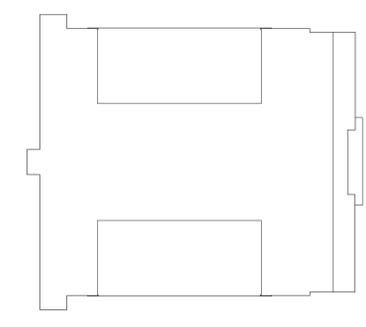
**1 SOUTH ELEVATION - (West Wilson St.)**  
 W903 3/32" = 1'-0" 0 4 12 24 48

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**SOUTH ELEVATION QUANTITIES**

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TYPE A	--	--	--	--	--	--	--	--
TYPE B	--	--	--	--	--	--	--	--
TYPE F	3	5	--	--	--	--	--	--
TYPE H	--	--	--	--	--	--	--	--
TYPE M	--	--	1	--	--	--	--	--
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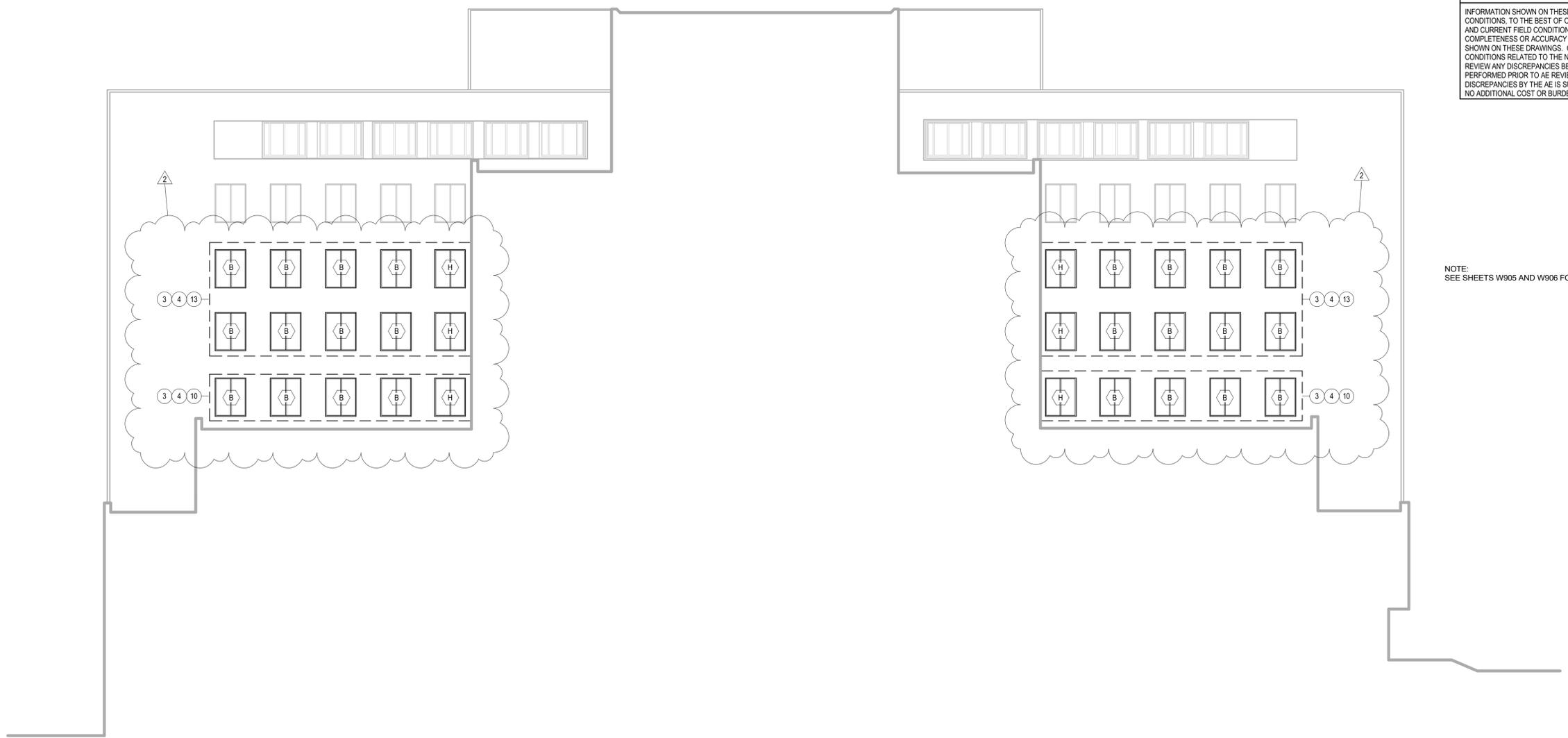
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NOTE:  
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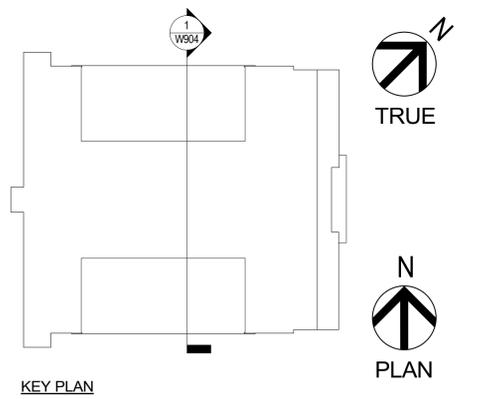
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  - CONTRACTOR TO SCRAPE, CLEAN, AND PAINT ALL EXPOSED METAL ELEMENTS.
  - ACM WINDOW CAULKING GLAZING ARE HOT.
  - ONE (1) INCH PLYWOOD UNDER ALL SCAFFOLDING ON ROOFS AND TO PROTECT ASPHALT AND GRASS AREAS.
  - TREATED LUMBER FOR ALL BLOCKING.

- WINDOW KEYNOTES**
- REMOVE EXISTING ALUMINUM WINDOW SASHES, SASH STOPS, AND FRAME MATERIALS TO THE EXTENT DEPICTED IN THE CONTRACT DOCUMENTS. PATCH AND REPAIR ALL INTERIOR AND EXTERIOR SURFACES TO MATCH EXISTING. INSTALL NEW FIXED ALUMINUM WINDOW AS INDICATED IN THE CONTRACT DOCUMENTS. PROVIDE IMPACT RESISTANCE PER SPECIFICATIONS. PROVIDE TEMPORARY WEATHER ENCLOSURES AT WINDOW OPENINGS. INSTALL NEW BACKER ROD AND SEALANT AT WINDOW PERIMETERS.
  - REMOVE EXISTING ALUMINUM WINDOW SASHES, SASH STOPS, AND FRAME MATERIALS TO THE EXTENT DEPICTED IN THE CONTRACT DOCUMENTS. PATCH AND REPAIR ALL INTERIOR AND EXTERIOR SURFACES TO MATCH EXISTING. INSTALL NEW FIXED ALUMINUM WINDOW AS INDICATED IN THE CONTRACT DOCUMENTS. PROVIDE IMPACT RESISTANCE PER SPECIFICATIONS. ALL WORK TO BE PERFORMED FROM THE EXTERIOR DUE TO THE PRESENCE OF SECURITY BARS ON INTERIOR SIDE. PROVIDE EXTERIOR SASH RECEPTOR SYSTEM. PROVIDE TEMPORARY WEATHER ENCLOSURES AT WINDOW OPENINGS. INSTALL NEW BACKER ROD AND SEALANT AT WINDOW PERIMETERS.
  - REMOVE EXISTING ALUMINUM WINDOW SASHES, SASH STOPS, AND FRAME MATERIALS TO THE EXTENT DEPICTED IN THE CONTRACT DOCUMENTS. PATCH AND REPAIR ALL INTERIOR AND EXTERIOR SURFACES TO MATCH EXISTING. INSTALL NEW FIXED ALUMINUM WINDOW AS INDICATED IN THE CONTRACT DOCUMENTS. PROVIDE TEMPORARY WEATHER ENCLOSURES AT WINDOW OPENINGS. INSTALL NEW BACKER ROD AND SEALANT AT WINDOW PERIMETERS.
  - REMOVE EXISTING SHADES, DRAPERIES, BLINDS, METAL BRACKETS, WOOD VALENCES, AND OTHER INTERIOR ASSOCIATED TRIM. PATCH AND REPAIR ALL INTERIOR AND EXTERIOR SURFACES TO MATCH EXISTING. RE-INSTALL EXISTING SHADES, BLINDS, DRAPERIES, AND METAL BRACKETS AT CURRENT LOCATIONS USING EXISTING OPERATING COMPONENTS AND CONFIGURATION. REFINISH AND RECOAT INTERIOR WOOD TRIM AND VALENCES AND REINSTALL AT CURRENT LOCATIONS. REPAIR AND REPAINT INTERIOR PLASTER FINISHES IN WINDOW NICHES.
  - PROVIDE FULL SCALE MOCKUP WINDOW AT LOCATION IDENTIFIED.
  - LOCATION INCLUDED IN BASE BID.
  - LOCATION INCLUDED IN ALTERNATE 1
  - LOCATION INCLUDED IN ALTERNATE 2
  - LOCATION INCLUDED IN ALTERNATE 3
  - LOCATION INCLUDED IN ALTERNATE 4
  - ALTERNATE 5 NOT INCLUDED IN PROJECT SCOPE
  - LOCATION INCLUDED IN ALTERNATE 6
  - LOCATION INCLUDED IN ALTERNATE 7

**WEST ELEVATION QUANTITIES**

	BASE BID	ALT. 1	ALT. 2	ALT. 3	ALT. 4	ALT. 5	ALT. 6	ALT. 7
TYPE A	--	--	--	--	--	--	--	--
TYPE B	--	--	--	--	8	--	--	16
TYPE F	--	--	--	--	--	--	--	--
TYPE H	--	--	--	--	2	--	--	4
TYPE M	--	--	--	--	--	--	--	--
TYPE N	--	--	--	--	--	--	--	--
TYPE O	--	--	--	--	--	--	--	--
TYPE S	--	--	--	--	--	--	--	--



**WINDOWS REPLACEMENT**  
**CITY-COUNTY BUILDING**  
**210 MARTIN LUTHER KING JR BLVD**  
**MADISON, WI 53703**

No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022
2	ADDENDUM 4	1/27/2023

**BID DOCUMENTS**

**WEST ELEVATION**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

**W904**

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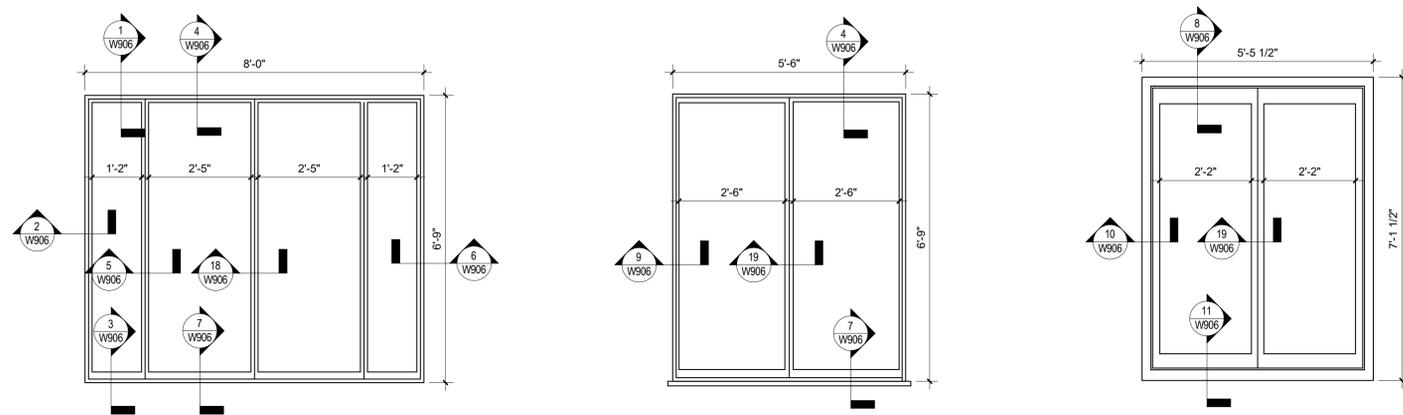
No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022

**BID DOCUMENTS**

**ORIGINAL WINDOW TYPES**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

**W905**



**1 Window Type A**

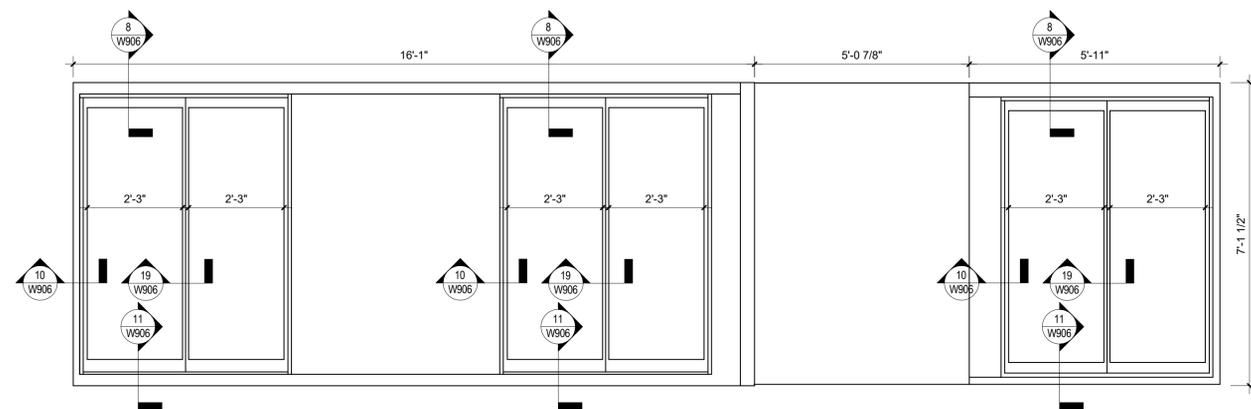
W905 1/2" = 1'-0"

**2 Window Type B**

W905 1/2" = 1'-0"

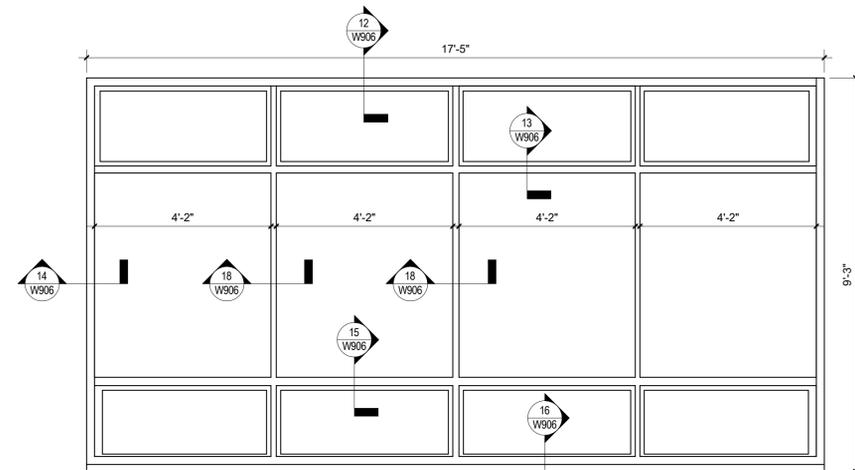
**3 Window Type F**

W905 1/2" = 1'-0"



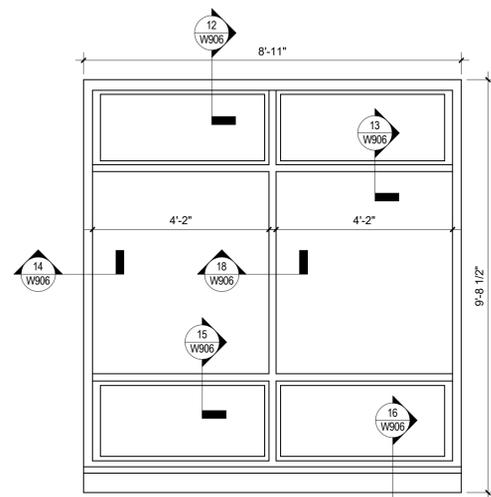
**4 Window Type H**

W905 1/2" = 1'-0"



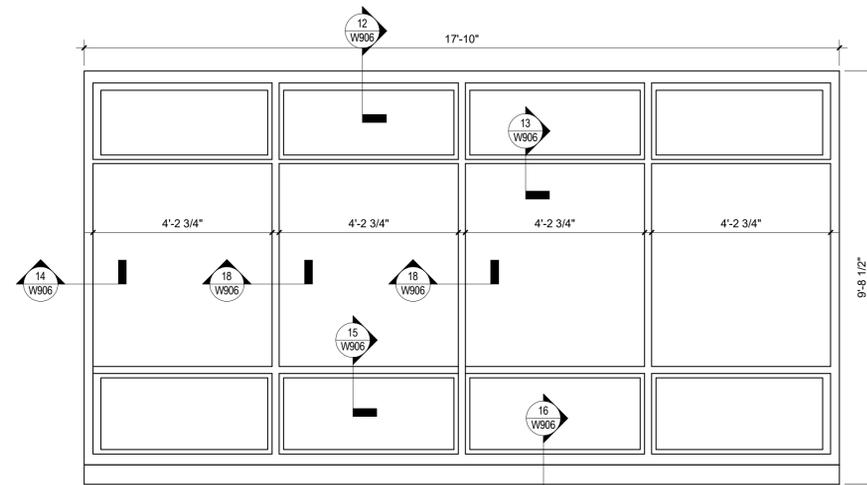
**5 Window Type M**

W905 1/2" = 1'-0"



**6 Window Type N**

W905 1/2" = 1'-0"



**7 Window Type O**

W905 1/2" = 1'-0"

NOTE: ORIGINAL SYSTEM DETAILS NOT AVAILABLE FOR TYPE S

**8 Window Type - S**

W905 1/8" = 1'-0"

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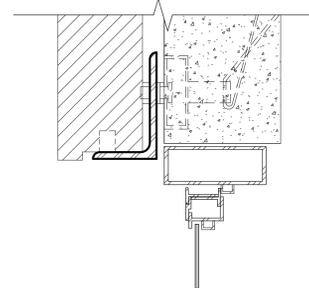
No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022

**BID DOCUMENTS**

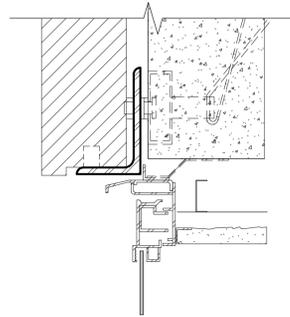
**ORIGINAL  
DETAILS**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

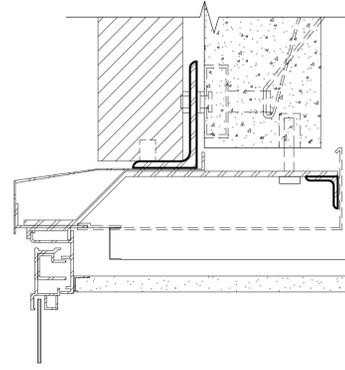
**W906**



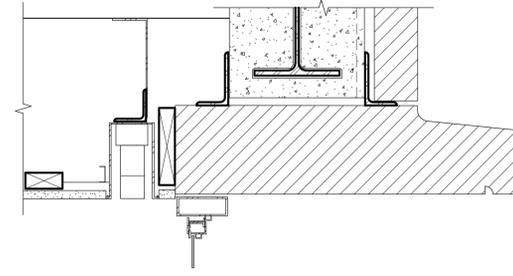
**1 HEAD 1**  
W906 3" = 1'-0"



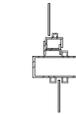
**4 HEAD 4**  
W906 3" = 1'-0"



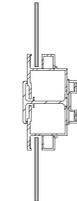
**8 HEAD 10**  
W906 3" = 1'-0"



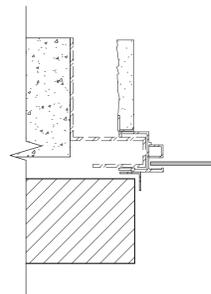
**12 HEAD A**  
W906 1 1/2" = 1'-0"



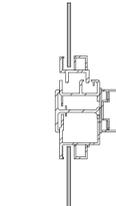
**13 MUNTIN B**  
W906 1 1/2" = 1'-0"



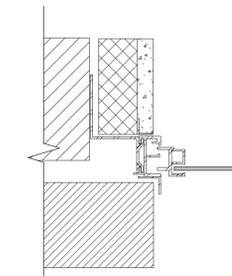
**18 MULLION 13**  
W906 3" = 1'-0"



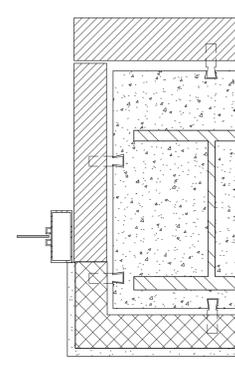
**2 JAMB 2**  
W906 3" = 1'-0"



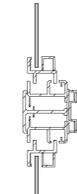
**5 MULLION 5**  
W906 3" = 1'-0"



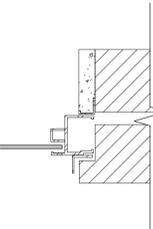
**9 JAMB 8**  
W906 3" = 1'-0"



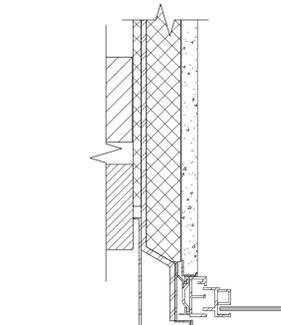
**14 JAMB C**  
W906 1 1/2" = 1'-0"



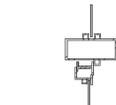
**19 MULLION 14**  
W906 3" = 1'-0"



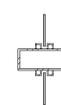
**6 JAMB 6**  
W906 3" = 1'-0"



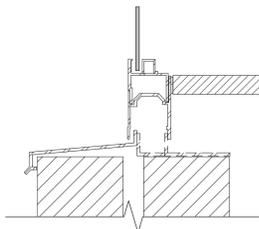
**10 JAMB 11**  
W906 3" = 1'-0"



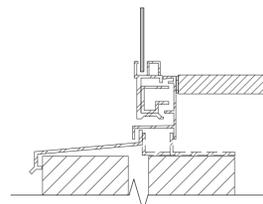
**15 MUNTIN D**  
W906 1 1/2" = 1'-0"



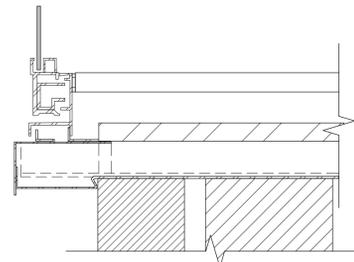
**17 MUNTIN F**  
W906 1 1/2" = 1'-0"



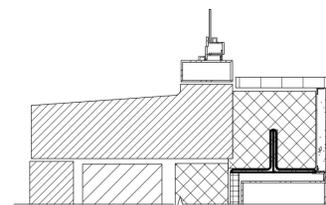
**3 SILL 3**  
W906 3" = 1'-0"



**7 SILL 7**  
W906 3" = 1'-0"



**11 SILL 12**  
W906 3" = 1'-0"



**16 SILL E**  
W906 1 1/2" = 1'-0"

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**WINDOWS REPLACEMENT**  
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**210 MARTIN LUTHER KING JR**  
**BLVD**  
**MADISON, WI 53703**

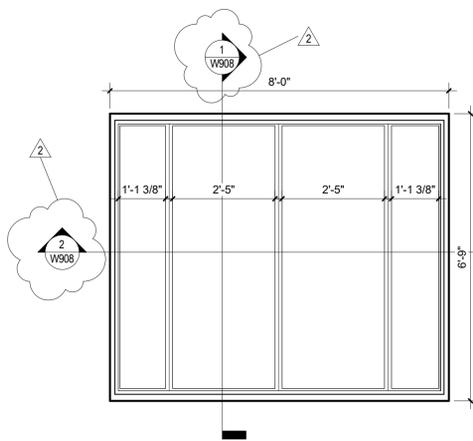
No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022
2	ADDENDUM 4	1/27/2023

**BID DOCUMENTS**

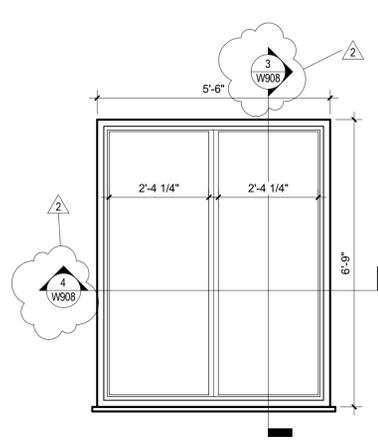
**NEW WINDOW TYPES**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

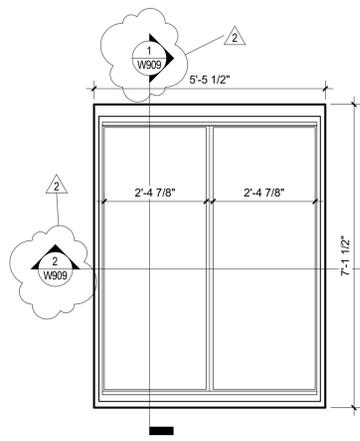
**W907**



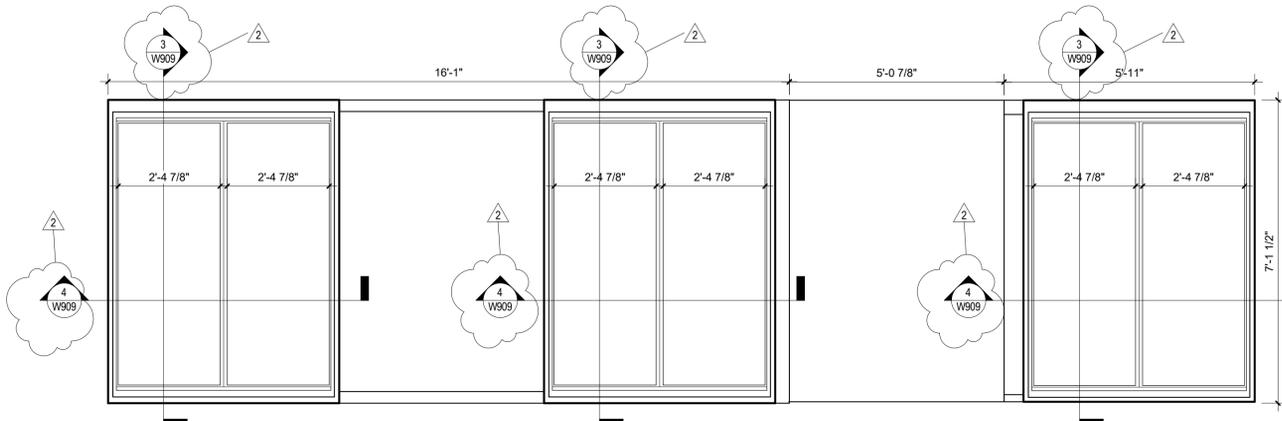
1 New Window Type A  
W907 1/2" = 1'-0"



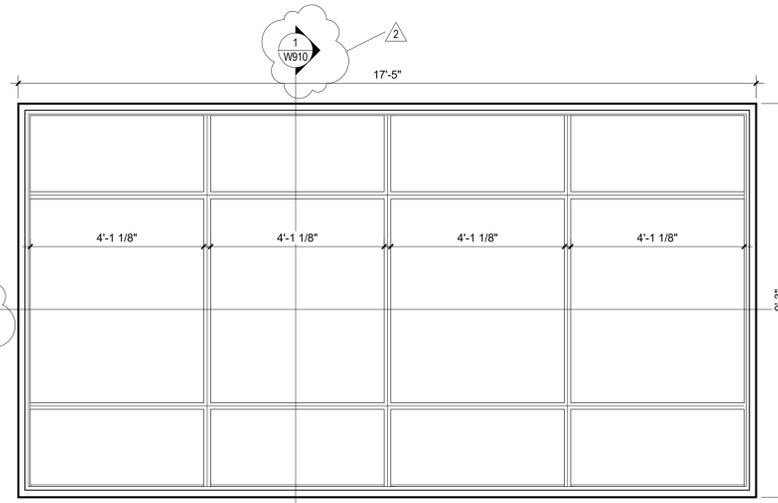
2 New Window Type B  
W907 1/2" = 1'-0"



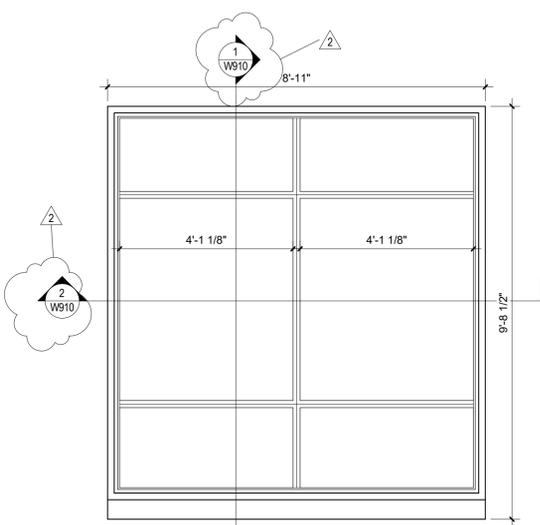
3 New Window Type F  
W907 1/2" = 1'-0"



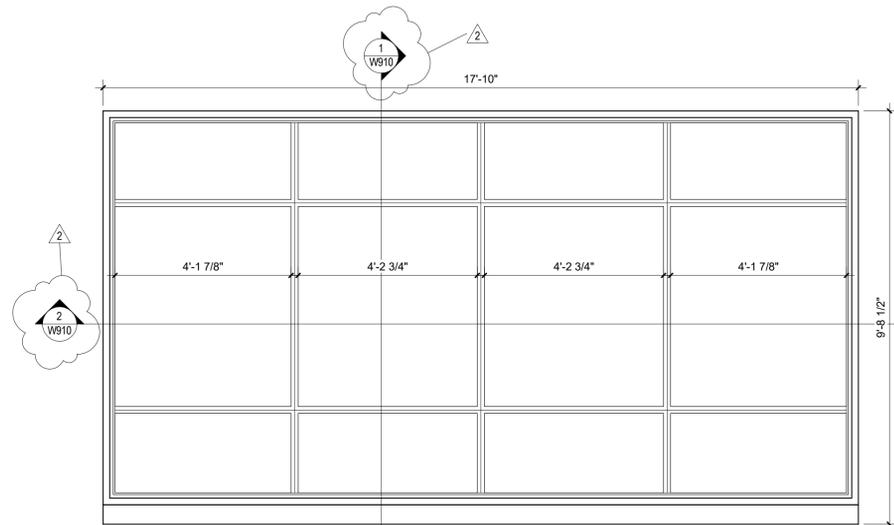
4 New Window Type H  
W907 1/2" = 1'-0"



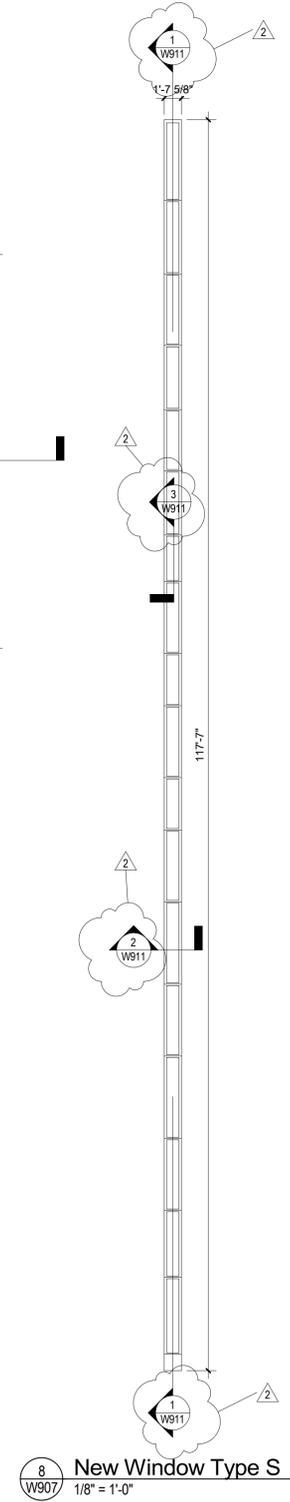
5 New Window Type M  
W907 1/2" = 1'-0"



6 New Window Type N  
W907 1/2" = 1'-0"



7 New Window Type O  
W907 1/2" = 1'-0"



8 New Window Type S  
W907 1/8" = 1'-0"

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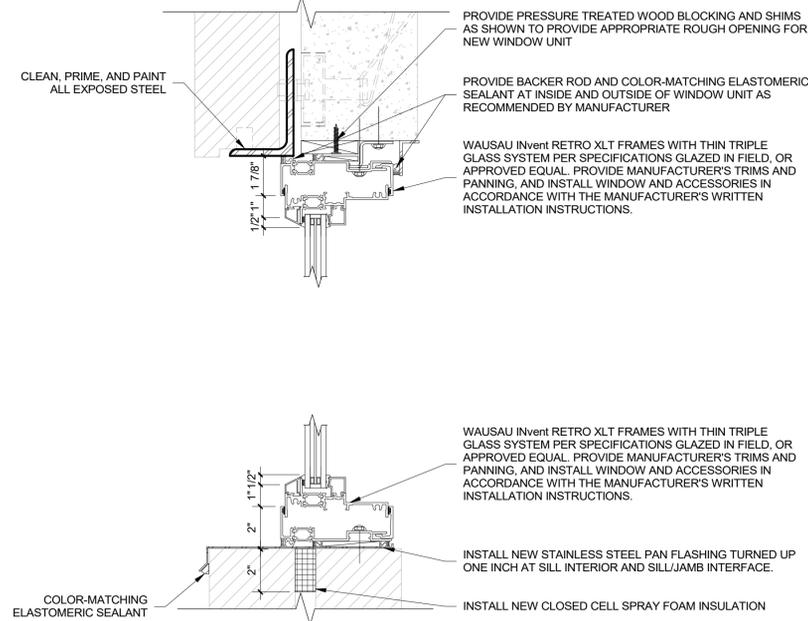
No.	Description	Date
1	ISSUED FOR BIDS	11/21/2022
2	ADDENDUM 4	1/27/2023

**BID DOCUMENTS**

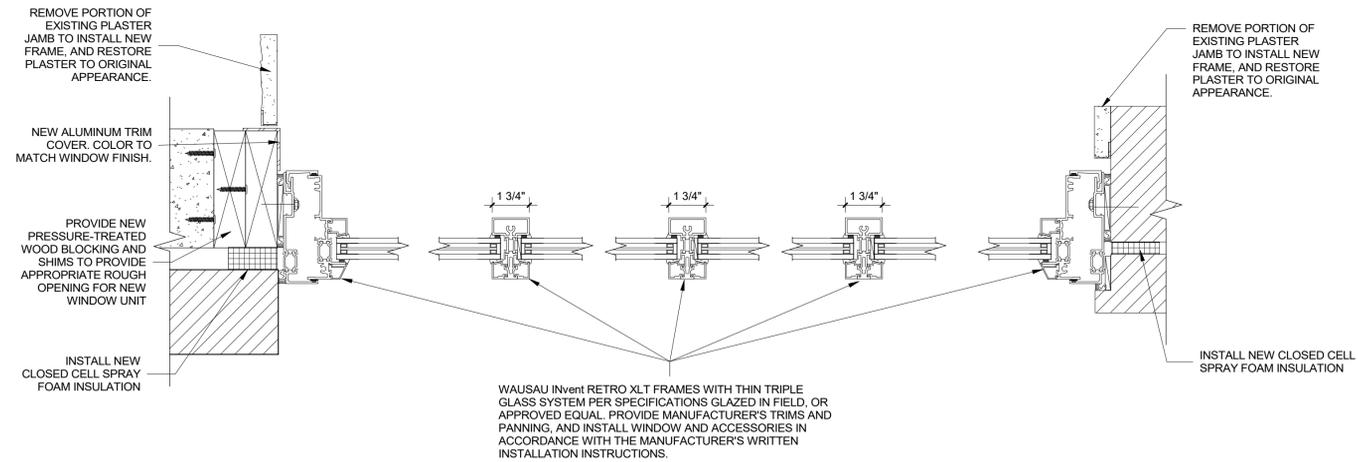
**WINDOW SYSTEM DETAILS**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

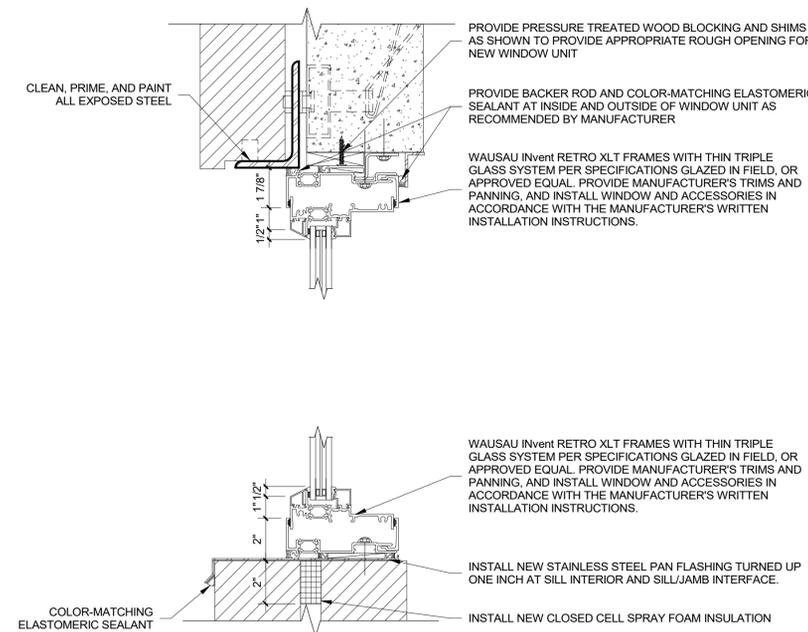
**W908**



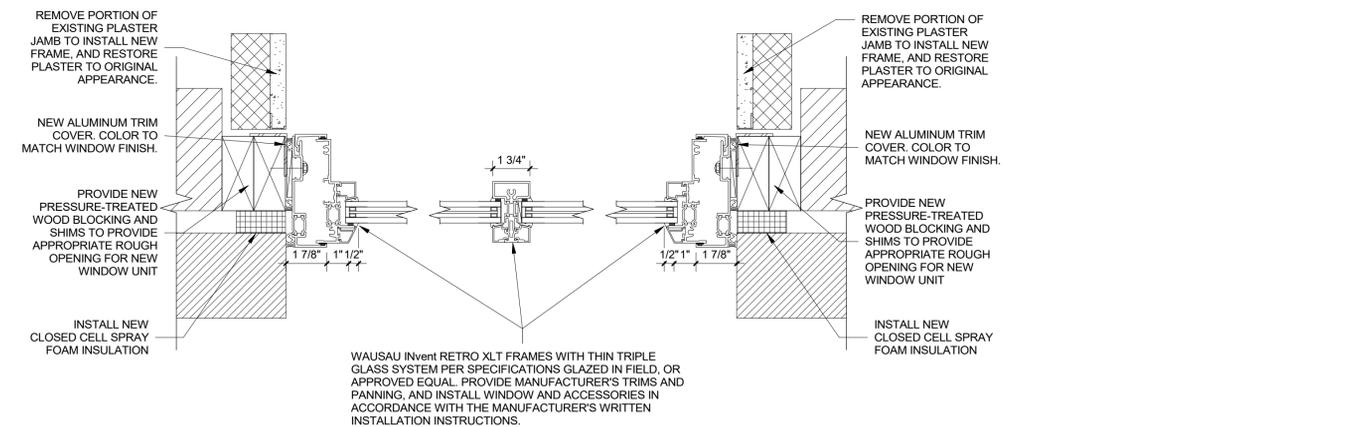
**1 WINDOW TYPE A SILL/HEAD DETAILS**  
W908 3" = 1'-0"



**2 WINDOW TYPE A JAMB/MULLION/JAMB DETAILS**  
W908 3" = 1'-0"



**3 WINDOW TYPE B SILL/HEAD DETAILS**  
W908 3" = 1'-0"



**4 WINDOW TYPE B JAMB/MULLION/JAMB DETAILS**  
W908 3" = 1'-0"

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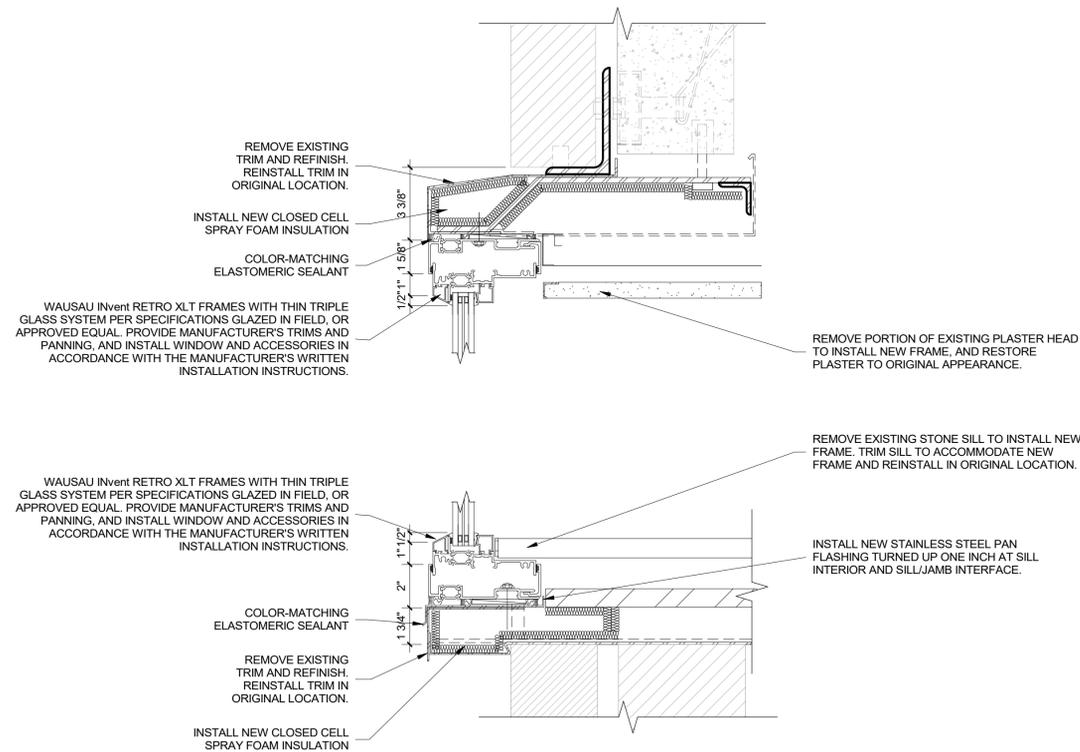
**WINDOWS REPLACEMENT**  
**CITY-COUNTY BUILDING**  
**210 MARTIN LUTHER KING JR**  
**BLVD**  
**MADISON, WI 53703**

No.	Description	Date
1	ADDENDUM 4 - ISSUED FOR BIDS	1/27/2023

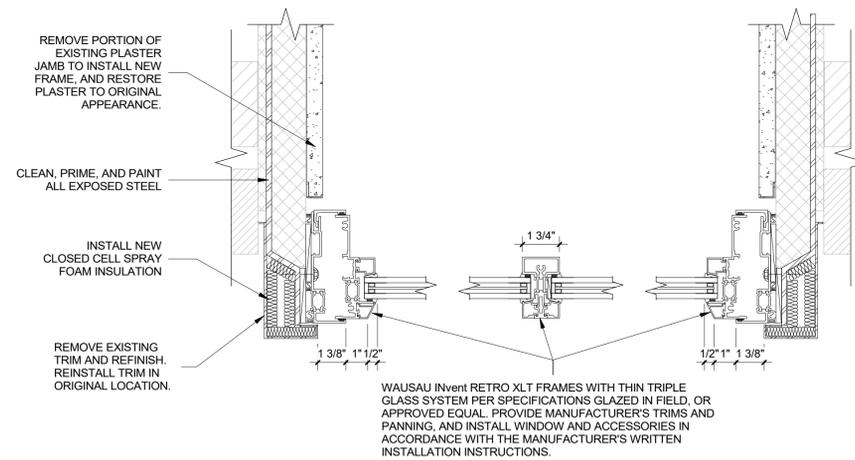
**WINDOW SYSTEM DETAILS**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

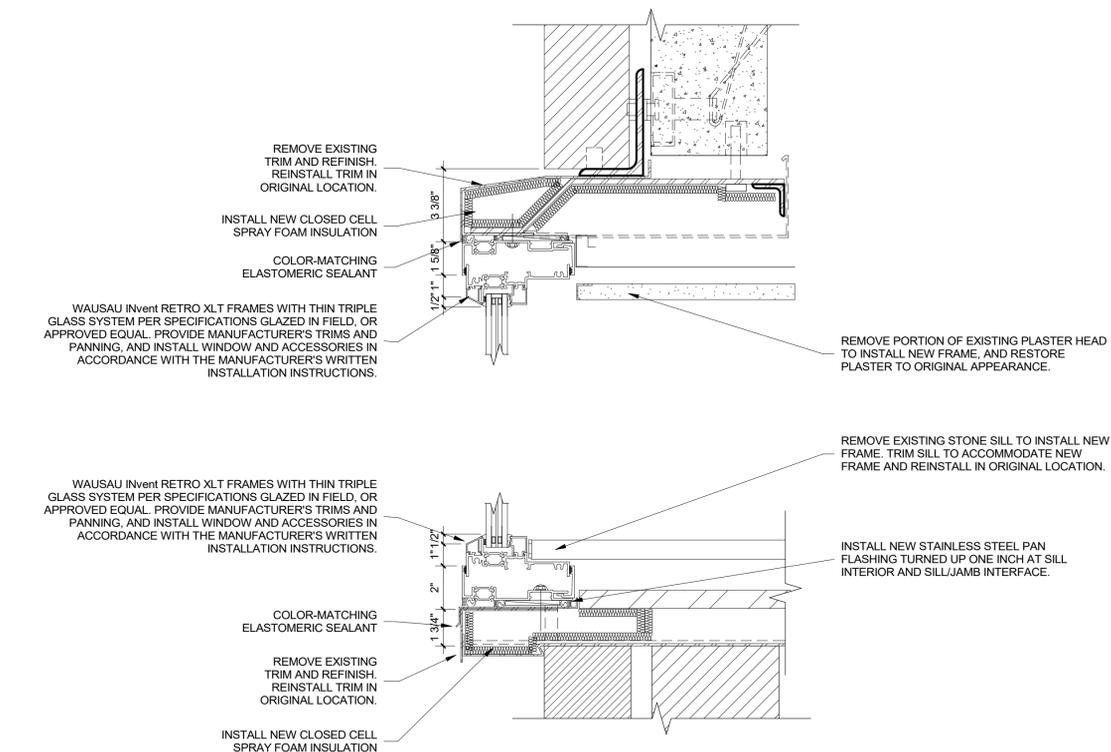
**W909**



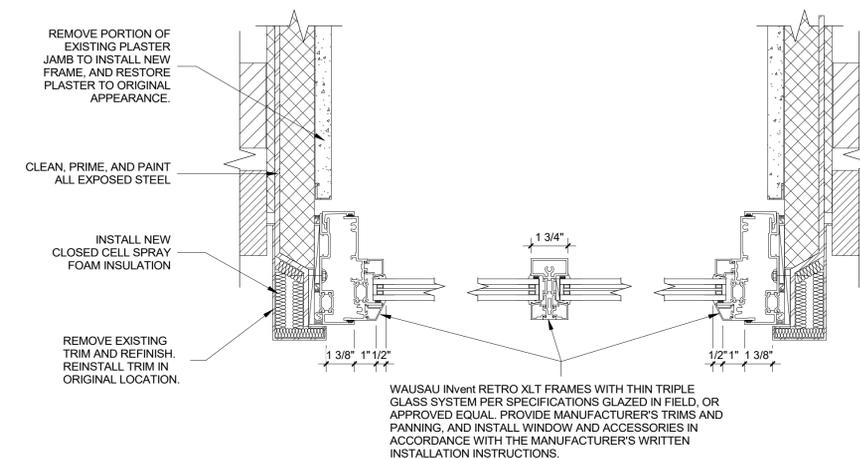
**1** WINDOW TYPE F - HEAD/SILL DETAILS  
W909 3" = 1'-0"



**2** WINDOW TYPE F - JAMB/MULLION/JAMB DETAILS  
W909 3" = 1'-0"



**3** WINDOW TYPE H - HEAD/SILL DETAILS  
W909 3" = 1'-0"



**4** WINDOW TYPE H - JAMB/MULLION/JAMB DETAILS  
W909 3" = 1'-0"

**NOTE IN REGARD TO EXISTING CONDITIONS**

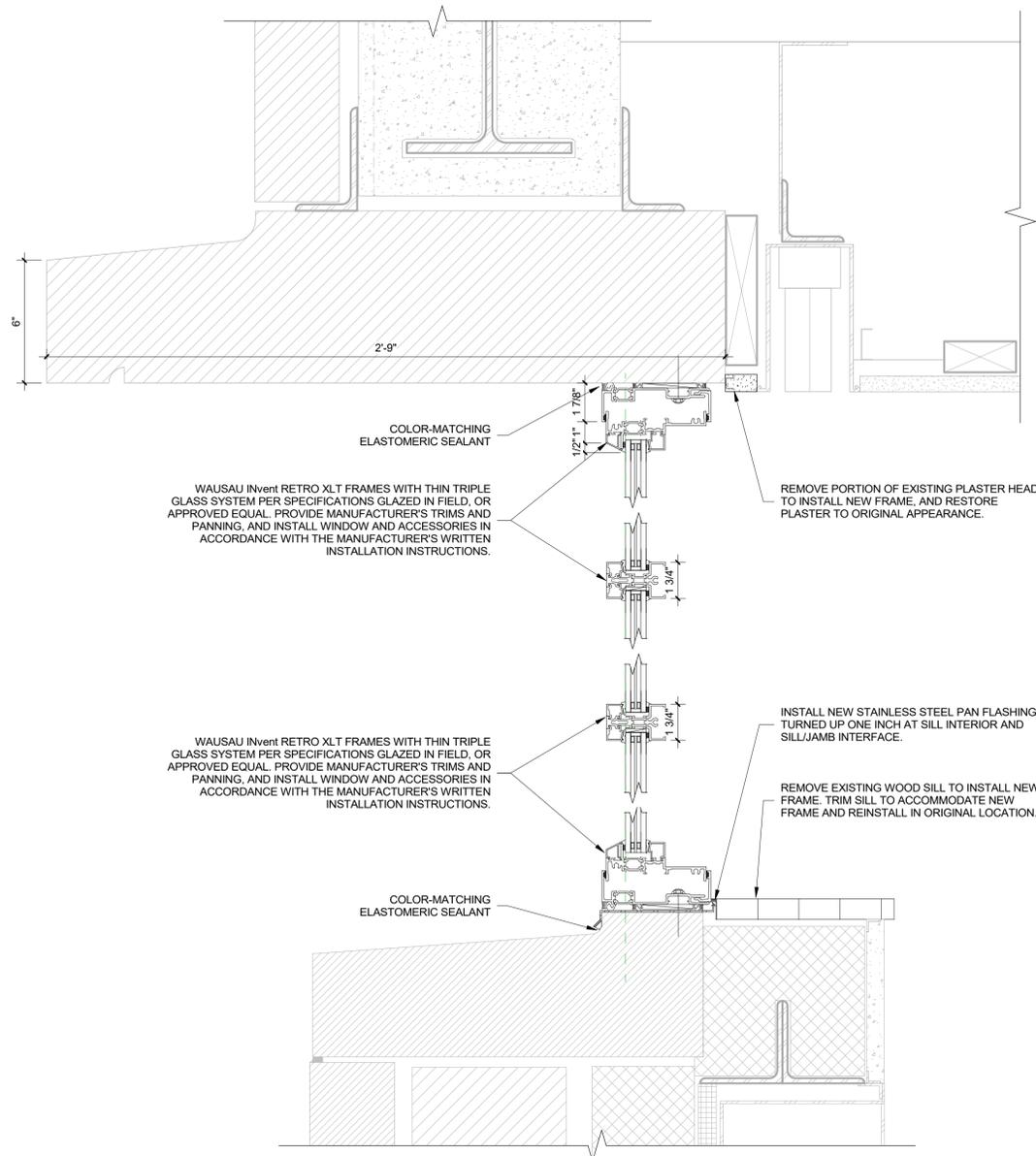
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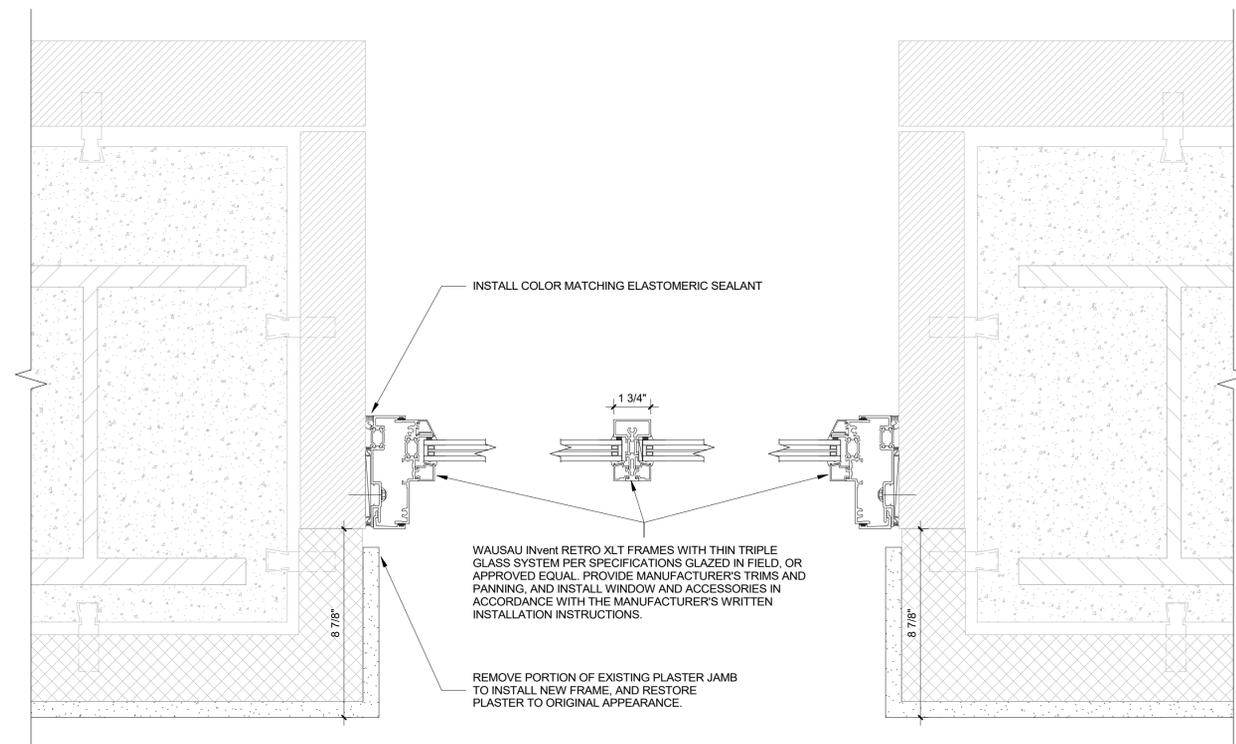


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Fax: (414) 727-6666  
www.zsllc-us.com

**WINDOWS REPLACEMENT**  
**CITY-COUNTY BUILDING**  
**210 MARTIN LUTHER KING JR**  
**BLVD**  
**MADISON, WI 53703**



**1** WINDOW TYPE M/N/O HEAD/MULLION/SILL DETAILS  
W910 3" = 1'-0"



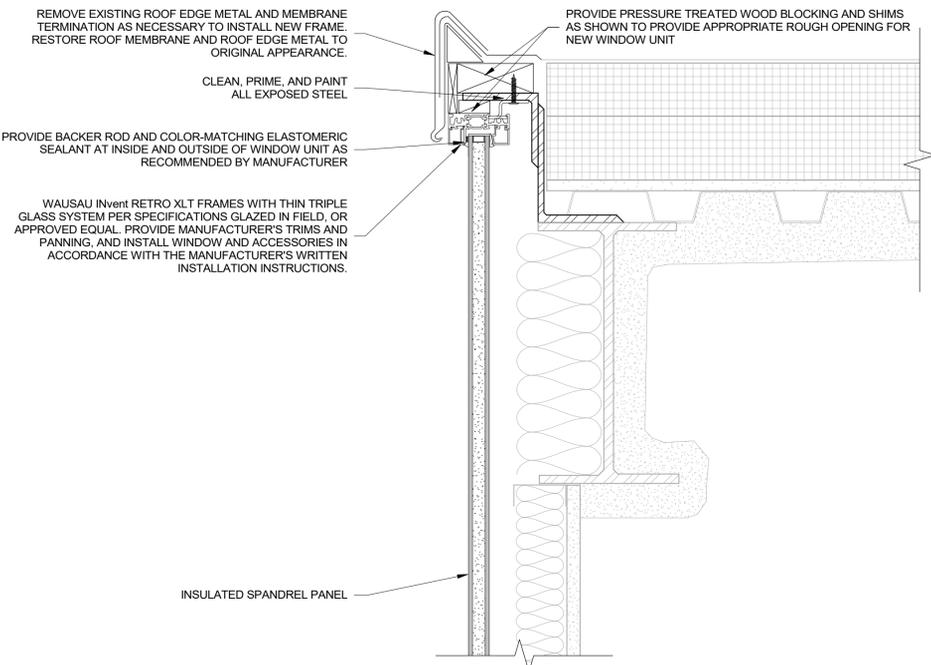
**2** WINDOW TYPE M/N/O JAMB/MULLION/JAMB DETAILS  
W910 3" = 1'-0"

No.	Description	Date
1	ADDENDUM 4 - ISSUED FOR BIDS	1/27/2023

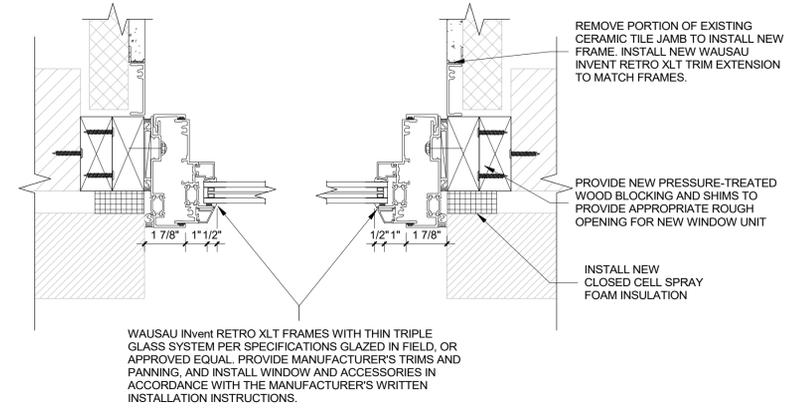
**WINDOW SYSTEM DETAILS**

Dane County Project number 322027  
Project number 227037  
Date NOVEMBER 21, 2022

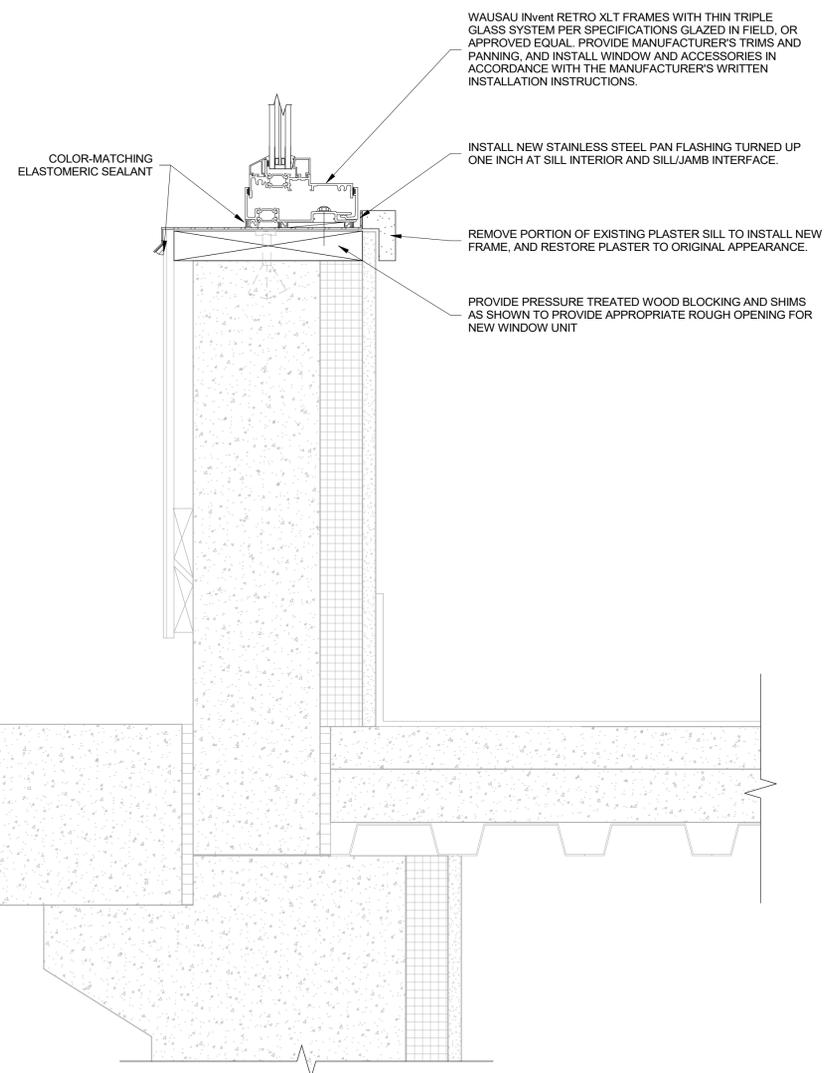
**W910**



1 WINDOW TYPE S HEAD/SILL DETAILS  
3" = 1'-0"



2 WINDOW TYPE S JAMB/JAMB DETAILS  
3" = 1'-0"



3 WINDOW TYPE S SPANDREL  
3" = 1'-0"

**NOTE IN REGARD TO EXISTING CONDITIONS**

INFORMATION SHOWN ON THESE DRAWINGS, WITH RESPECT TO EXISTING CONDITIONS, TO THE BEST OF OUR KNOWLEDGE, REPRESENT THE GENERAL AND CURRENT FIELD CONDITIONS. ZS MAKES NO WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF ANY AND ALL EXISTING CONDITIONS SHOWN ON THESE DRAWINGS. CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS RELATED TO THE NEW WORK AND REPORT TO THE AE FOR REVIEW ANY DISCREPANCIES BEFORE PERFORMING ANY WORK. ANY WORK PERFORMED PRIOR TO AE REVIEW AND SUBSEQUENT RESOLUTION OF DISCREPANCIES BY THE AE IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST OR BURDEN TO THE CONTRACT.

**Owner:**  
DANE COUNTY PUBLIC WORKS  
1919 ALLIANT ENERGY CENTER WAY  
MADISON WI 53713

**ZS**  
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**WINDOWS REPLACEMENT**  
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No.	Description	Date
1	ADDENDUM 4 - ISSUED FOR BIDS	1/27/2023

**WINDOW SYSTEM DETAILS**

Dane County Project number	322027
Project number	227037
Date	NOVEMBER 21, 2022

**W911**